# Mouse MGLL Monoclonal Antibody | anti-MGLL antibody

MGLL antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA106715** | **Mouse** | **Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay** |

## PRODUCT SYNONYMS

MGLL; Monoclonal Antibody; MGLL antibody; Monoclonal MGLL; Anti-MGLL; Monoglyceride lipase; MGL; Lysophospholipase homolog; Monoacylglycerol lipase; HUK5; anti-MGLL antibody

## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b |
| **Clone Number** | 4D1 |
| **Purity/Purification** | MGLL antibody was purified by affinity chromatography. |
| **Form/Format** | Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide. |
| **Concentration** | 500 ug-1 mg/ml (varies by lot) |
| **Sequence Length** | 313 |
| **Applicable Applications for anti-MGLL antibody** | WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry) |
| **Biological Significance** | Monoglyceride lipase functions together with hormone-sensitive lipase to hydrolyze intracellular triglyceride stores in adipocytes and other cells to fatty acids and glycerol. MGLL may also complement lipoprotein lipase in completing hydrolysis of monoglycerides resulting from degradation of lipoprotein triglycerides. |
| **Cross-Reactivity** | Human |
| **Immunogen** | MGLL antibody was raised in mouse using a full length recombinant protein of human MGLL (NP_009214) produced in HEK293T cells, as the immunogen. |
| **Preparation and Storage** | Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles. |

## IMAGES

**IF (Immunofluorescence)**
Immunofluorescent staining of COS7 cells transiently transfected with recombinant MGLL protein using MGLL antibody

**IHC (Immunohiostchemistry)**
Immunohistochemical analysis of MGLL protein in paraffin embedded Adenocarcinoma of Human colon tissue using MGLL antibody

**WB (Western Blot)**
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant MGLL protein (Right) or empty vector (Left) detected with MGLL antibody

## ADDITIONAL INFORMATION

| | |
|---|---|
| **Related Product Information for anti-MGLL antibody** | Mouse monoclonal MGLL antibody |
| **Product Categories/Family for anti-MGLL antibody** | Proteases; Inhibitors; & Enzymes |

## NCBI AND UNIPROT INFORMATION

| | |
|---|---|
| **NCBI GI #** | 6005786 |
| **NCBI GeneID** | 11343 |
| **NCBI Accession #** | NP_009214 |
| **NCBI GenBank Nucleotide #** | NM_007283.6 |
| **UniProt Accession #** | Q99685; Q6IBG9; Q96AA5; B3KRC2; B7Z9D1 |
| **Molecular Weight** | 31,149 Da |
| **NCBI Official Full Name** | monoglyceride lipase isoform 1 |
| **NCBI Official Synonym Full Names** | monoglyceride lipase |
| **NCBI Official Symbol** | MGLL |
| **NCBI Official Synonym Symbols** | MGL; HUK5; MAGL; HU-K5 |
| **NCBI Protein Information** | monoglyceride lipase |
| **UniProt Protein Name** | Monoglyceride lipase |
| **UniProt Gene Name** | **MGLL** |
| **UniProt Synonym Gene Names** | MAGL |
| **UniProt Entry Name** | MGLL_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/mgll-antibody-clone-4d1-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106715